

IN THE CLAIMS:

Please amend the claims as follows:

1. (Currently Amended) A method of relaxing typing accuracy on a computer keyboard comprising alphanumeric keys and a spacebar key, said method comprising:

recording a coordinate of a keystroke sequence of at least two tapped landing point corresponding to a points on said keyboard, each of said sequence of at least two tapped keys on said computer keyboard landing points having a coordinate, and said sequence of at least two tapped landing points corresponding in a one-to-one manner to a sequence of correctly or incorrectly entered letters of a word, and a tapped space bar that delimits said word;

counting a total number of keystroke landing points tapped only after verification that said spacebar key has been tapped during said sequence correctly or incorrectly entered letters of said word;

selecting all words of a lexicon having a number of letters equal to said number of correctly or incorrectly entered letters of a said word;

comparing a geometric pattern formed by an inputted said sequence of said keystroke at least two landing points, excluding said tapped space bar, to [[a]] another geometric pattern formed by lexical entry of sequences, wherein said lexical entry of sequences comprises a subset of sequences comprising sequences having an amount of letters equaling said total number, said sequence of correctly or incorrectly entered letters for each selected word of said all words of a lexicon having a number of letters equal to said number of correctly or incorrectly entered letters by calculating a distance measure between said geometric pattern formed by said sequence of at least two landing points, excluding said tapped space bar, and [[the]] said another geometric pattern formed by letters corresponding to said lexical entry of sequences said sequence of correctly or incorrectly entered letters for each selected word of said all words of a lexicon having a number of letters equal to said number of correctly or incorrectly entered letters;

determining a word from said selected all words of a lexicon having a number of letters equal to said number of correctly or incorrectly entered letters by selecting determining a shortest

distance measure between said inputted sequence of said keystroke landing points and letters corresponding to said lexical entry of sequences, wherein said total number of keystroke landing points tapped equals a total number of letters in said word said geometric pattern formed by said sequence of at least two tapped landing points, excluding said tapped space bar, and said another geometric pattern formed by said sequence of correctly or incorrectly entered letters for said determined word; and

using the determined displaying, to a user, one of said determined word and said sequence of correctly or incorrectly entered letters of said word to check a correct spelling of a tapped word entry corresponding to said inputted sequence of said keystroke landing points.

2. (Currently Amended) The method according to claim 1, all the limitations of which are incorporated herein by reference, wherein said distance [[is]] measure comprises a mean distance of all inputted sequence of keystroke landing points based on summing a distance between each landing point coordinate and each corresponding center point coordinate of said correctly or incorrectly entered letters and said number of letters in said each selected word.

3. (Currently Amended) The method according to claim 1, all the limitations of which are incorporated herein by reference, wherein said distance [[is]] measure comprises an elastic matching distance between said inputted sequence of keystroke landing points and said lexical entry of sequences each landing point coordinate and each corresponding center point coordinate of said correctly or incorrectly entered letters.

4. (Currently Amended) The method according to claim 3, all the limitations of which are incorporated herein by reference, further comprising normalizing said elastic matching distance by an amount of letters in said word said number of letters in said each selected word.

5. (Currently Amended) The method according to claim 1, all the limitations of which are incorporated herein by reference, further comprising comparing said shortest total distance measure to a predetermined threshold distance.

6. (Currently Amended) The method according to claim 5, all the limitations of which are incorporated herein by reference, further comprising outputting displaying said determined word, if said shortest total distance measure is smaller than said predetermined threshold distance, otherwise displaying said sequence of correctly or incorrectly entered letters.

7. (Currently Amended) The method according to claim [[5]] 1, all the limitations of which are incorporated herein by reference, further comprising outputting letters tapped if said shortest total distance is greater than said predetermined threshold distance wherein each tapped landing point comprises moving a finger or a stylus from a first position not contacting said keyboard, to a second position contacting said keyboard at said each landing point, and to a third position not contacting said keyboard.

8. (Currently Amended) A method of relaxing typing accuracy on a computer keyboard comprising alphanumeric keys and a spacebar key, said method comprising:

recording a coordinate of at least one keystroke landing point, wherein said keystroke landing point emanates from tapping a key on a keyboard sequence of at least two tapped landing points on said keyboard, each of said sequence of at least two tapped landing points having a coordinate, and said sequence of at least two tapped landing points corresponding in a one-to-one manner to a sequence of correctly or incorrectly entered letters of a word, and a tapped space bar that delimits said word;

counting a total amount of tapped keystroke landing points only after verification that said spacebar key has been tapped during an inputted sequence of tapped keystroke landing points a number of correctly or incorrectly entered letters of said word;

creating a set of selecting all words from of a lexicon having a same number of said tapped keystroke landing points letters equal to said number of correctly or incorrectly entered letters of said word;

for each letter in each word in said set, computing a distance from said coordinate to a central position of said key corresponding to said letter said all words having said number of

letters, computing a distance between a landing point coordinate and a corresponding center point coordinate of said correctly or incorrectly entered letter of said word for each landing point in said sequence of at least two tapped landing points;

summing a total distance for each word for each word of said all words having said number of letters, computing a mean distance based on summing each said distance between a landing point coordinate and a corresponding center point coordinate of said correctly or incorrectly entered letter of said each word and said number of letters in said each word; and

selecting determining a word from said set having a shortest total distance to said coordinate, wherein said total amount of tapped keystroke landing points equals a total number of letters in said word selected all words of a lexicon having a number of letters equal to said number of correctly or incorrectly entered letters by determining a shortest mean distance between said sequence of at least two landing points, excluding said space bar, and said sequence of correctly or incorrectly entered letters for said determined word; and

using the selected displaying, to a user, one of said determined word and said sequence of correctly or incorrectly entered letters of said word to check a correct spelling of a tapped word entry corresponding to said inputted sequence of tapped keystroke landing points.

9. (Currently Amended) The method according to claim 8, all the limitations of which are incorporated herein by reference, wherein said distance is a mean distance of all said tapped keystroke landing points for each word said keyboard comprises one of a physical keyboard, a virtual keyboard, a stylus keyboard, a graphical keyboard, and a touch-screen.

10. (Currently Amended) The method according to claim [[8]] 1, all the limitations of which are incorporated herein by reference, wherein said distance is an elastic matching distance between said tapped keystroke landing points and said coordinate said keyboard comprises one of a physical keyboard, a virtual keyboard, a stylus keyboard, a graphical keyboard, and a touch-screen.

11. (Currently Amended) The method system according to claim [[10]] 15, all the limitations

of which are incorporated herein by reference, further comprising normalizing said elastic matching distance by an amount of letters in said word.

12. (Currently Amended) The method according to claim 8, all the limitations of which are incorporated herein by reference, further comprising comparing said shortest ~~total mean~~ distance to a ~~predetermined threshold distance~~.

13. (Currently Amended) The method according to claim 12, all the limitations of which are incorporated herein by reference, further comprising ~~outputting displaying said determined word, if said shortest total mean distance is smaller than said predetermined threshold distance, otherwise displaying said sequence of correctly or incorrectly entered letters.~~

14. (Currently Amended) The method according to claim [[12]] 8, all the limitations of which are incorporated herein by reference, ~~further comprising outputting letters tapped if said shortest total distance is greater than said predetermined threshold distance wherein each tapped landing point comprises moving a finger or a stylus from a first position not contacting said keyboard, to a second position contacting said keyboard at said each landing point, and to a third position not contacting said keyboard.~~

15. (Currently Amended) A system of relaxing typing accuracy on a ~~computer~~ keyboard comprising alphanumeric keys and a spacebar key, said system comprising:

a recorder configured to record a coordinate of a keystroke landing point corresponding to a sequence of tapped keys on said computer keyboard sequence of at least two tapped landing points on said keyboard, each of said sequence of at least two tapped landing points having a coordinate, and said sequence of at least two tapped landing points corresponding in a one-to-one manner to a sequence of correctly or incorrectly entered letters of a word, and a tapped space bar that delimits said word;

a counter configured to count a total number of keystroke landing points tapped only after verification that said spacebar key has been tapped during said sequence a number of correctly or

incorrectly entered letters of said word;

a selector module for selecting all words of a lexicon having a number of letters equal to said number of correctly or incorrectly entered letters of a said word;

a comparing module and calculator configured to compare an inputted sequence of said keystroke landing points to a pattern formed by lexical entry of sequences, wherein said lexical entry of sequences comprises a subset of sequences comprising sequences having an amount of letters equaling said total number a geometric pattern formed said sequence of at least two landing points, excluding said tapped space bar, to another geometric pattern formed by said sequence of correctly or incorrectly entered letters for each selected word of said all words of a lexicon having a number of letters equal to said number of correctly or incorrectly entered letters and to calculate a distance measure between said geometric pattern formed by said sequence of at least two landing points, excluding said space bar, and said another geometric pattern formed by said sequence of correctly or incorrectly entered letters for each selected word of said all words of a lexicon having a number of letters equal to said number of correctly or incorrectly entered letters;

a calculator configured to calculate a distance between said inputted sequence of keystroke landing points and letters corresponding to said lexical entry of sequences;

a determining module configured to determine a word by selecting a shortest distance between said inputted sequence of said keystroke landing points and letters corresponding to said lexical entry of sequences, wherein said total number of keystroke landing points tapped equals a total number of letters in said word from said selected all words of a lexicon having a number of letters equal to said number of correctly or incorrectly entered letters by determining a shortest distance measure between said geometric pattern formed by said sequence of at least two landing points, excluding said space bar, and said another geometric pattern formed by said sequence of correctly or incorrectly entered letters for said determined word; and

a spell checker configured to use the determined word to check a correct spelling of a tapped word entry corresponding to said inputted sequence of said keystroke landing points a display to display, to a user, one of said determined word and said sequence of correctly or incorrectly entered letters of said word to check a correct spelling.

16. (Currently Amended) The system according to claim 15, all the limitations of which are incorporated herein by reference, wherein said distance [[is]] measure comprises a mean distance of all inputted sequence of keystroke landing points based on summing a distance between each landing point coordinate and each corresponding center point coordinate of said correctly or incorrectly entered letters and said number of letters in said each selected word.

17. (Currently Amended) The system according to claim 15, all the limitations of which are incorporated herein by reference, wherein said distance [[is]] measure comprises an elastic matching distance between said inputted sequence of keystroke landing points and said lexical entry of sequences each landing point coordinate and each corresponding center point coordinate of said correctly or incorrectly entered letters.

18. (Currently Amended) The system according to claim 17, all the limitations of which are incorporated herein by reference, further comprising normalizing said elastic matching distance by an amount of letters in said word said number of letters in said each selected word.

19. (Currently Amended) The system according to claim 15, all the limitations of which are incorporated herein by reference, further comprising a comparator wherein said comparing module is configured to compare said shortest total distance measure to a predetermined threshold distance.

20. (Currently Amended) The system according to claim 19, all the limitations of which are incorporated herein by reference, further comprising an output unit configured to output said word if said shortest total distance is smaller than said predetermined threshold distance wherein said display displays said determined word, if said shortest distance measure is smaller than said threshold, otherwise displaying said sequence of correctly or incorrectly entered letters.

21. (Currently Amended) The system according to 19, all the limitations of which are

incorporated herein by reference, further comprising an output unit configured to output letters tapped if said shortest total distance is greater than said predetermined threshold distance wherein each tapped landing point comprises moving a finger or a stylus from a first position not contacting said keyboard, to a second position contacting said keyboard at said each landing point, and to a third position not contacting said keyboard.

22. (Currently Amended) A system of relaxing typing accuracy on a computer keyboard comprising alphanumeric keys and a spacebar key, said system comprising:

means for recording a coordinate of a keystroke landing point corresponding to a sequence of tapped keys on said computer keyboard;

means for counting a total number of keystroke landing points tapped only after verification that said spacebar key has been tapped during said sequence;

means for comparing a geometric pattern formed by an inputted sequence of said keystroke landing points to a pattern formed by lexical entry of sequences, wherein said lexical entry of sequences comprises a subset of sequences comprising sequences having an amount of letters equaling said total number;

means for calculating a distance between said geometric pattern and the pattern formed by letters corresponding to said lexical entry of sequences;

means for determining a word by selecting a shortest distance between said inputted sequence of said keystroke landing points and letters corresponding to said lexical entry of sequences, wherein said total number of keystroke landing points tapped equals a total number of letters in said word; and

means for using the determined word to check a correct spelling of a tapped word entry corresponding to said inputted sequence of said keystroke landing points

means for recording a sequence of tapped landing points on said keyboard, each of said sequence of tapped landing points having a coordinate, and said sequence of tapped landing points corresponding in a one-to-one manner to a sequence of correctly or incorrectly entered letters of a word, and a tapped word delimiter that delimits said word;

means for counting a number of correctly or incorrectly entered letters of said word;

means for selecting all words of a lexicon having a number of letters equal to said number of correctly or incorrectly entered letters of a said word;

means for comparing a geometric pattern formed by said sequence of landing points, excluding said tapped word delimiter, to another geometric pattern formed by said sequence of correctly or incorrectly entered letters for each selected word of said all words of a lexicon having a number of letters equal to said number of correctly or incorrectly entered letters by calculating a distance measure between said geometric pattern formed by said sequence of tapped landing points, excluding said tapped word delimiter, and said another geometric pattern formed by said sequence of correctly or incorrectly entered letters for each selected word of said all words of a lexicon having a number of letters equal to said number of correctly or incorrectly entered letters;

means for determining a word from said selected all words of a lexicon having a number of letters equal to said number of correctly or incorrectly entered letters by determining a shortest distance measure between said geometric pattern formed by said sequence of tapped landing points, excluding said tapped word delimiter, and said another geometric pattern formed by said sequence of correctly or incorrectly entered letters for said determined word; and

means for displaying, to a user, one of said determined word and said sequence of correctly or incorrectly entered letters of said word to check a correct spelling.